PATENT FIRE LUMP STOVES.—Drawing-room, Dining-room, Library, and every description of Bedroom Stove manufactured under Lapidge's Patent. The lumps, iron, and hearth of the Patent Fire Lump Stove are composed of one fire-brick, which, from its porosity and plumbaginic composition, affords a great saving to fuel. It has no bottom grating, and the only metallic substance which comes in contact with the fire is the bars. Several new and elegant patterns have been introduced expressly for this Stove, which for economy in first cost, economy of fuel, and powers of radiating heat, is unsurpassed. Hundreds of them are now in use, and have received unqualified approval.—BEASLEY, DRAY, and DRAKE, Stove, Range, and Tinder Manufacturers, and Furnishing Ironmongers, London-bridge.

CHEAP GAS FITTING and BELL-HANGING.—Public and Private Buildings fitted up with PATENT WELDED IRON TUBES for GAS at 4d. per foot run. Bells hung in the best secret manner with Porcelain Lemon Gongs, at 3s. per bell.
BARRATT, Gas Fitter and Bellhanger, 7, Arthur-street, Old Kent-road.

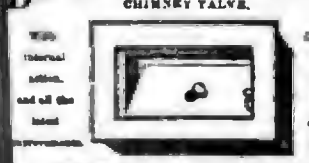
THE GREAT EXHIBITION in HYDE-PARK.—Important to PROPERTY FURNISHING LONDON for the working of Steam Upwards of ONE HUNDRED BOILERS which have lately been removed from a charitable institution, and in every perfect fitted for the above-named purpose, are to be disposed of in any quantities a great bargain.—For particulars and to inspect samples of the Boilers, apply at Bridge-wharf, Belgrave-road, Pimlico, and to Mr. HIGGS, Builder, No. 18, Davis-street, Berkeley-square.

ZINC, from the VIEILLE MONTAGNE MINING COMPANY, is the purest known, free from alloy of iron, lead, or sulphur. It is supplied in sputter for brass founders, &c., and in sheets for ship sheathing and roofings of all kinds, and rolls of all dimensions. It may be had of the following Agents, who have always a large stock in hand:—
London—Messrs. Charles Devens and Co.; Mr. Charles Jack; Mr. William Gilpin.
Birmingham—Mr. John Barwell.
Liverpool—Messrs. R. Swinburnhart and Co.
Manchester—Messrs. Rich. Johnson and Brother.
Leeds—Messrs. G. and T. Sharp.
Hull—Messrs. Thomas R. Morley and Co.
Newcastle-upon-Tyne—Mr. Benjamin Plummer.
Leith—Messrs. Robert Anderson and Co.
Glasgow—Messrs. A. G. Kidston and Co.
Bristol—Messrs. Morgan, M'Arthur and Co.
Plymouth—Messrs. Lapenotte, Driscoll, and Co.
Southampton—Mr. W. J. Lobbevre.
Peterborough—William F. Stanley.
Ipswich—George Harpham.
Zinc from 20 to 24 oz. per square foot is generally used for roofing, which costs at least one-third cheaper than slate coverings; and the plate sheathing, which lasts from five to six years, costs two-thirds cheaper than copper or yellow metal. And if the zinc coverings are made of the Vieille Montagne Zinc, and under the superintendence of Mr. FREDERICK BROWN, the surveyor of the company for which no charge whatever is made, a guarantee will be given of its durability.—For further particulars and prices, apply to Mr. H. F. SCHMOLL, General Agent for England, at the Company's Office, No. 14, Manchester-buildings, Westminster, London.

LAWRENCE and CO., 55, Parliament-street, Westminster, and 10, York-place, Lambeth, Manufacturers and Dealers in Zinc, &c.—Patent, the 1 Chimney Flue, 1s. per foot; various sorts of chimney-cowls and ventilators; perforated zinc in sheets, 24 per foot; rain pipe, 3 in., 4d. per foot; half-inch, 2½d. per ft. Baths, windows, skylights, drawn bar, &c. &c. to order. Zinc or brass plates supplied or engraved to best manner; spelter and sheet zinc on all sorts at lowest market prices.

DIXON'S INVISIBLE VENTILATOR.—This Ventilator is much neater and more simple than any hitherto invented. Can be made of any shape or size, and can be cleaned or easily put up any part of the window. If handsomely polished, can be repaired by any common cleaner, at the cost only of a piece of glass.—Models may be seen, and every information had, by applying to JAMES PHILLIPS and Co., 116, Bishopsgate-street Without, London.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.



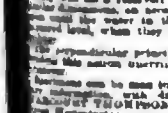
REDUCED LIST OF PRICES—SUBJECT TO THE TRADE DISCOUNT.

	First size, 12 by 6	Second size, 10 by 8
Plain Iron Valve	6 0	8 0
Painted and Lacquered	7 6	10 6
Painted, white with Gold Item	11 6	14 0
Iron with Trellis-work	17 0	22 0
Iron Frame, bronzed or bronzed	15 0	20 0
Iron with Trellis work	19 0	27 0

Ventilators of any description made to order.
Manufactured by HART and SONS, 83, 84, 85, Wych-street, Strand, London.—Post-office orders payable at Strand.

TO ARCHITECTS, BUILDERS, &c.
ATTENTION IS SOLICITED TO THE
DIRECT ACTION BALL TAPS,
invented and patented by H. THOMPSON, C.E.
In these Taps the old-fashioned lever or down-spring with, whose working action, while the water was being admitted, soon wore out the cone, and rendered the cock unserviceable.
The Direct Action Ball Taps stopped stop up or down, thereby either flooding or leaving premises with gas water; a fault which similar contrivances possess in an opposite degree.
They will fill a reservoir in less time than any other tap of similar diameter, on account of the valve-cup remaining fully open until the water in the cistern is within one inch of the proper level, when they shut off without the usual jolt of the valve.
The perpendicular principle, with compensating valve inside, makes this action unerring and perfect under any pressure of water.
Instances can be seen in action at the office; and all necessary information, with drawings, forwarded by applications to THOMPSON and Co., Ironmongers, 68, Parliament-street, Westminster.

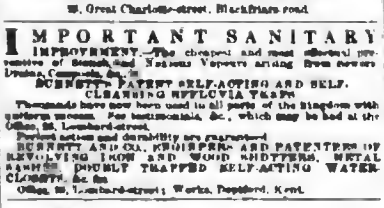
STOCK and BON'S SOIL-PAN SERVICE-BOX.



The object of this contrivance is to facilitate the introduction of Sanitary Improvements into the dwellings of the working classes, by the adoption of such an arrangement of cheap and pan apparatus as will enable the constant superposition of water power to be made available for the removal of the refuse, by prevention the enormous waste of water in closets of this description, to which water cannot be so strongly and so properly applied. By the use of this contrivance the simple supply of water is obviated, without the trouble of its being carried by pumping, the valve, weighting the chain, or by other means. It is so constructed that, as long as the water supply remains, it will always serve as a water-trap. Sold by STOCK and BON, manufacturers of plumbers' brass-fittings and church furniture, in iron and brass, Temple-street, Birmingham.

G. JENNINGS, INDIA RUBBER TUBE COCK AND CLOSET MANUFACTURER, PATENTEE OF THE SHOP-SHUTTER SHOE.
38, Great Charlotte-street, Blackfriars-road.

IMPORTANT SANITARY IMPROVEMENT.—The cheapest and most effectual preventive of Scotch and Nelson Vapours arising from sewers, Drains, Cesspools, &c. is
BURNETT'S PATENT SELF-ACTING AND SELF-CLEANSING HYDRAULIC TRAPS.
Thousands have now been used in all parts of the Kingdom with uniform success. For testimonials, &c., which may be had at the Office, 38, Lombard-street.
Perfect action and durability are guaranteed.
BURNETT AND CO., KNIGHTS'S AND PATENTEES OF REVOLVING IRON AND WOOD SHUTTERS, METAL BANNER, DOUBLY TRAPPED SELF-ACTING WATER-CLOSETS, &c. &c.
Office, 38, Lombard-street; Works, Deptford, Kent.



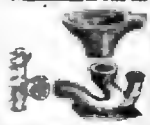
IMPROVED SLUICE COCKS for Water, Gas, or Steam, brass-faced, and Sluices raised by square-threaded engine-turned Screw working in Brass Nut; in every respect as good as can be manufactured, are offered at the following prices per inch:—

Inch.	3 and 4 inch.	5 to 8 inch.	10 to 14 inch.
1s.	1s.	1s.	1s.

Lithographs of the improved sold-in-number, and various other constructions, with descriptions and prices attached may be had on application.
Single-purchase Bulldog Cocks, as above, fitted with Two Handles, and Wrought Iron Brass and Spindles, with 8-in to three in and out of gear, price 6s. each. Delivered in London free.
BARRETT, EXALL AND ANDREWES,
Kidmorgate Iron Works, Reading.
Agents in London.—DRAKE, DRAY, and DRAKE, where the above may be seen.

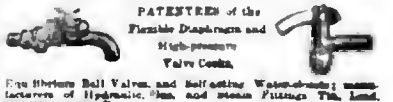
ILLUSTRATED TRADE LISTS; containing much information useful for reference; also unsolicited testimonials respecting a MATERIAL which, when well wrought, is probably superior to every other for drains of sewers, for ridges, hips, gallery, and every part of roofs, for plain or chequered floors, for paving and area tops, of a strong and durable nature also many other purposes, supplied genuine by THOMAS DRAKE (proprietor of Drake's "Terra Metallica"), No. 1 WHARF, CITY-ROAD BASIN, LONDON, and at THE TILERIES, TURNSTALL, STAFFORDSHIRE. The lists contain both prices by number and approximate cost by measure. It is believed that letters be prepaid and made to Stoke-upon-Trent or London prices are wanted. Specimens at the GREAT EXHIBITION, Class V. No. 111.

SMITH'S REGISTERED AUTOMATON CLOSET-PAN and TRAP ... 7s. 6d.
WITH OUTLET JUNCTION and AIR-TIGHT CAP for communication with the trap and drain pipe, extra ... 2s. 6d.



The above are adapted for general purposes, but very expressly designed for connection with SMITH'S MACHINERED AUTOMATON, or SELF-ACTING FLUSHER, forming together the cheapest and most efficient water-closet ever introduced; detailed particulars and proofs of which may be had of THOS. SMITH, Stone Ware Drain Pipe Manufacturer, 73, Fenchurch-street, London.

THOS. LAMBERT and SON,
PATENTEES of the Flexible Diaphragm and High-pressure Valve Cocks.



Fine Horizon Ball Valves, and Self-acting Water-closets; manufacturers of Hydraulic, Gas, and Steam Fittings, Tin, Lead, and Composition Pipes.
SHORT-STREET, NEW CUT, LAMBETH, LONDON.

HOUSE DRAINAGE and SEWERAGE.

The most economical and efficient system of drainage is formed with DOULTON'S STONEWARE PIPES. Testimonials as to their superiority have been received from the Borough Engineers of Liverpool, Glasgow, and Edinburgh.
Arrangements can be made for deliveries from free of charge, to many of the ports and railway stations throughout the Kingdom.
Liverpool Pottery, St. Helens. J. DOULTON, Jun.

IMPROVED DRAINAGE BY ROYAL LETTERS PATENT.

STANDING, FRANKLIN, & STANDING, Sole Inventors and Manufacturers of the PATENT GLAZED STONE WARE SEWAGE PIPE. Offices, 35, Cornhill, entrance in Change-alley; Factory, Brunswick Wharf, Commercial-road, Lambeth.
By employing their patent machinery, S. F. and S. are enabled to produce a pipe for sewage and other purposes to every way far superior to those made by any other process, but more especially in three qualities so absolutely essential to a perfect, and cleanly mode of drainage. From the great and uniform amount of pressure, and peculiar construction of the machinery delivering the ware to sewage, used in manufacturing, their pipes are entirely free from air bubbles, proving their greater strength, durability, and entirely preventing the excessive percolation thereof; they are much smoother on the inside, insuring a perfect passage for the sewage, and preventing any deposit.
Specimens may be seen at the offices, 35, Cornhill, where prices, &c., may be obtained, and licenses granted for the use of the patent machine.

GREAT REDUCTION in PRICES.
GLAZED STONE WARE DRAIN PIPES.

DAVID MONTAGUE, late Turner and Montague, Leigh Pottery, near Southend, Essex, now offer to the public Glazed Stone Ware Drain Pipes of the best quality at the following reduced prices:—
Straight Tubes with Socket Joints, in 5 feet lengths.

3 in.	3 in.	4 in.	5 in.	6 in.	9 in.	12 in.
3d.	3½d.	4d.	6d.	10d.	1s. 2d.	2s. 6d. per foot.

Chest pans or seats; Traps 3s.; Bends, Junctions, Pillars, Jugs, Bottles, Chemicals, &c. &c. at reduced prices in proportion. A discount on the above prices dependent on quantity and mode of payment. Orders received and executed from the Wharf, Falcon Wharf, St. Rochester, Bankfriars; Harrow-bridge Wharf, Stratford, Essex; and at his Cement Works, Orchard-house, Blackwall.

HENRY DOULTON AND CO.'S DRAIN PIPES IN GLAZED STONE WARE

OFFICES—HIGH-STREET, LAMBETH, LONDON, and Granville-street Wharf, Broad-street, Birmingham.
MANUFACTORIES—High-street, Lambeth, London; and Birmingham Pottery, Bowley Regis, Staffordshire.
May also be had as follows:—

BIRMINGHAM	Granville-street Wharf.	CHELTENHAM	Mr. J. Blizard.
GLOUCESTER	Mr. Jesse Bradford.	LEICESTER	Messrs. J. and W. Jackson.
NORTHAMPTON	Messrs. Adcock and Greenough.	WOLVERHAMPTON	Mr. R. Weston.
WORCESTER	Messrs. Rowland and Son.	TAUNTON	Mr. Geo. Pollard.

TESTIMONIALS as to the superiority of these Pipes have been received by H. D. and Co. from Messrs. ROE and PHILLIPS, Surveyors to the New Metropolitan Commissioners of Sewers; and J. PIGOTT SMITH, Esq., Town Surveyor of Birmingham; H. H. HODGES, Esq., Surveyor of Oxford, &c. &c.
STRAIGHT TUBES WITH SOCKET JOINTS from 1 inch to 24 inches in diameter. BENDS, JUNCTIONS, TRAPS, &c. OF EVERY DESCRIPTION. Drawings, with prices, &c. will be forwarded free on application or sent.

DOULTON and WATTS, LAMBETH POTTERY, HIGH-ST. LAMBETH, LONDON.

No. 2 is similar to No. 1, but with the discharge-hole in a horizontal direction.
No. 4 is three pieces.

CHEAP WATER-CLOSET PANS,
with Syphon Traps,
IN GLAZED STONE WARE.
PRICE 7s. 6d. EACH.

The improved WATER-CLOSET PANS are of the most simple yet perfect construction; they are CLEANLY and IMPERISHABLE, require no metal fan, and the price at which they are offered is so low, as to admit of their universal adoption.

JAMES STIFF, MANUFACTURER of GLAZED STONE WARE DRAIN PIPES, BENDS, JUNCTIONS, TRAPS, &c., 68, HIGH-STREET, LAMBETH, LONDON. Established 1751.
Water Closet Pans, with Syphon Traps, 7s. 6d. each.
STRAIGHT TUBES, with Socket Joints, in 5 feet lengths.

The great advantages attending the use of these articles are now so generally understood, as to render any comments of their almost superfluous. Their clean, cheap, efficient, and durability are universally admitted; while the rapidly increasing demand for them proves their estimated superiority over every other kind hitherto before the public for sanitary purposes.
Inspection is invited to an extensive stock of Drain Tubes, of every form and size, adapted to the various situations for which they may be required; as, for the MATERNA-STREET TAPS OF IMPROVED CONSTRUCTION, and the better class for surpassing any other manufactured of Stone Ware.
N.B. These are made without the discharge-hole being turned downwards.

May be had also at Messrs. GLADDISH'S LIME WHARF, Parker's Arm, Westminster-road; City-road Wharf, City Basin; Dockhead, Bermondsey; Deaver's Wharf, foot of Battersea-bridge, Chelsea; Frost Wharf, Kingsland, Camden New Town.
Drawings and List of Prices will be forwarded on application.